JAPROZ SINGH SAINI

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EDUCATION

Georgia State University — *May 2027*
B.S. in Computer Science

- Cummulative GPA: 3.76
- Rocketry Club – Founding member · Sikh Student Association – President · Computer Science Club

Saint Columba's High School — *Mar 2023*
High School Degree

- Cummulative GPA: 3.6
- Clubs: Computer Science, Editorial Board, Model UN

WORK EXPERIENCE

Georgia State Production Network — Sep 2023 – Present
Engineering Assistant — *Atlanta, GA*

- Helped produce college football and basketball game shows for ESPN & performed camera work and graphics work
- Setup and make sure that equipment like cameras, hardware and networks work as intended
- Did the networking and cable management for music concerts

SKILLS, LANGUAGES, INTERESTS

- **Languages**: English (Native speaker), Hindi (Native speaker), Punjabi (Native speaker)
- **Programming**: C, JavaScript, Typescript, Python, Bash, HTML, CSS, C++
- **Tools**: Bash, Linux, Figma, VSCode, Sublime Text, Atom, Docker
- **Interests**: Computer architecture, CTFs, Astronomy, Automobiles, Hardware, Low-level systems engineering

CERTIFICATES

CS50 - Introduction to Computer Science
Issued by *Harvard University* — Sep 2020

Google Certified Developer
Issued by *Google* — Oct 2020

HONORS & AWARDS

1st place at CodeDay Delhi — **New Delhi**
Issued by *CodeDay* — Nov 2022

- Went to my first hackathon which consisted of around 200 high school students from all over India and won 1st place.

PROJECTS

Rum — Jun 2023 — C · Bash · Java

- A fully spec-compliant parser for the Java Class file format
- Went through the entire Class file format spec and modelled the parser based on that

Vettel — Feb 2020 — C · Python

- A minimalistic key-value store written in C aimed at speed.
- Vettel performs better than existing key-value stores like Redis in some cases.

Dino — Dec 2021 — TypeScript · Next.JS

- A simple yet powerful note-editor with modern features like WYSIWIG editor, complex document nesting, and dark mode.
- Got features on the home page on ProductHunt with 24 hours of its launch

Dom — Jun 2022 — C

- A weird albeit unique way to create tiny web servers for testing purposes using a custom syntax config file
- Routes are specified alongwith bash commands that run when those routes are accessed and the data is sent back to the client

Chronos — Sep 2023 — TypeScript · Next.JS

- Chronos allows you to search documents, media, PRs etc. across storage platforms like GDrive, Dropbox, Github etc.
- All of the data is stored in the respective storage platforms maintaining user privacy and trust.

COURSEWORK

Mathematics
- Calculus of I Variable
- Precalculus

Computer Science
- Introduction to Computer Science

OPEN SOURCE CONTRIBUTIONS

Fprime — Jan 2024 — C++
JPL's flight software embedded framework

JSD — Sep 2023 — C
NASA JPL SOEM device drivers

Fig Autocomplete — Aug 2021 — Typescript
IDE like autocomplete for terminals

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[1]Code for this resume hosted at https://github.com/japrozs/resume